

Product datasheet for **CF503493**

DTYMK Mouse Monoclonal Antibody [Clone ID: OTIIG8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTIIG8
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human DTYMK(NP_036277) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23.6 kDa
Gene Name:	deoxythymidylate kinase

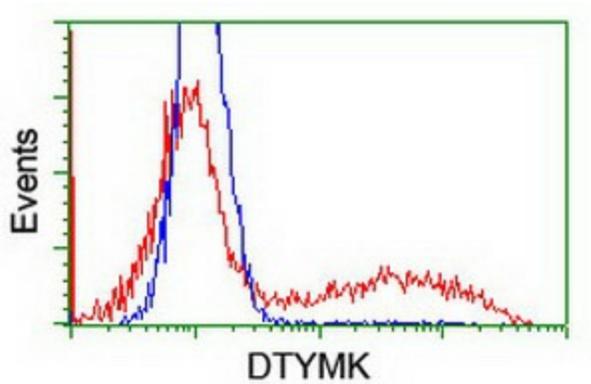


Database Link: [NP_036277](#)
[Entrez Gene 1841 Human](#)
[P23919](#)

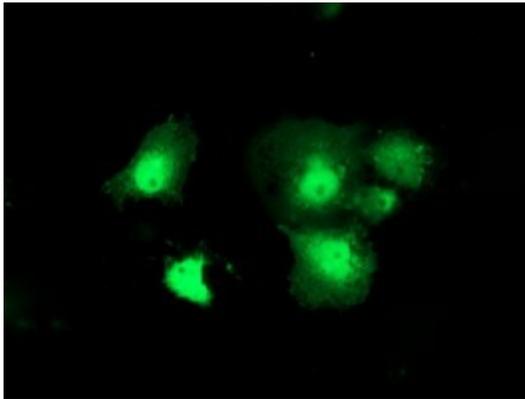
Synonyms: CDC8; PP3731; TMPK; TYMK

Protein Families: Druggable Genome

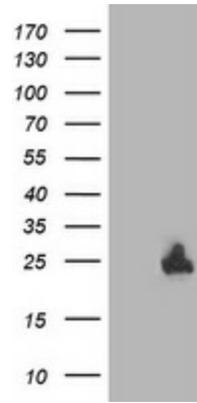
Protein Pathways: Metabolic pathways, Pyrimidine metabolism

Product images:

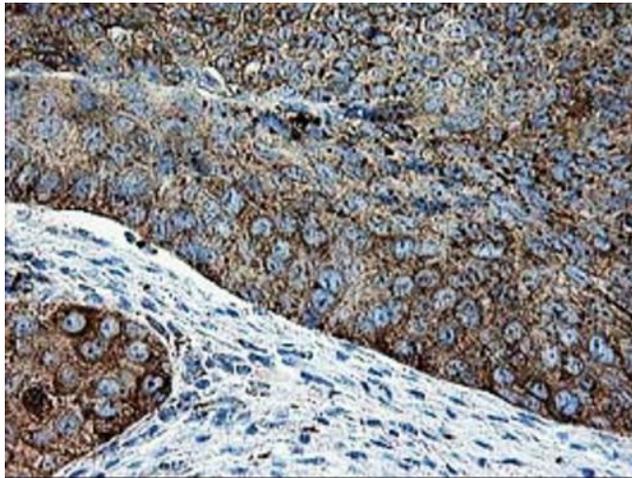
HEK293T cells transfected with either [RC201228] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DTYMK antibody ([TA503493]), and then analyzed by flow cytometry.



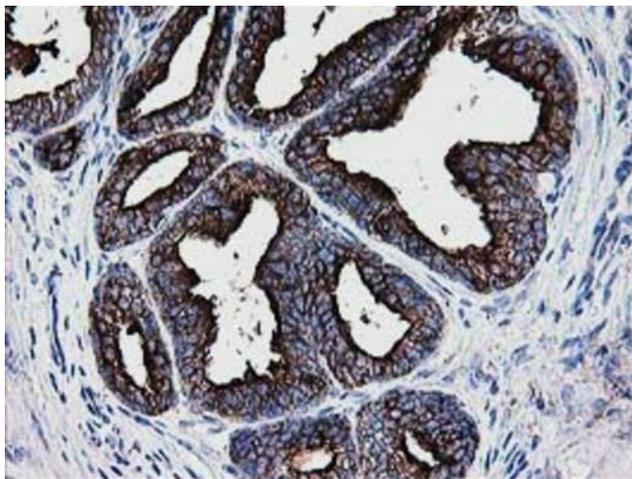
Anti-DTYMK mouse monoclonal antibody ([TA503493]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DTYMK ([RC201228]).



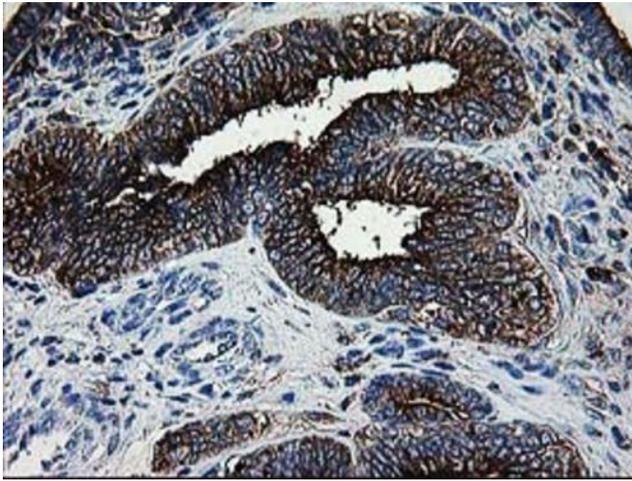
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DTYMK (Cat# [RC201228], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DTYMK (Cat# [TA503493]). Positive lysates [LY415933] (100ug) and [LC415933] (20ug) can be purchased separately from OriGene.



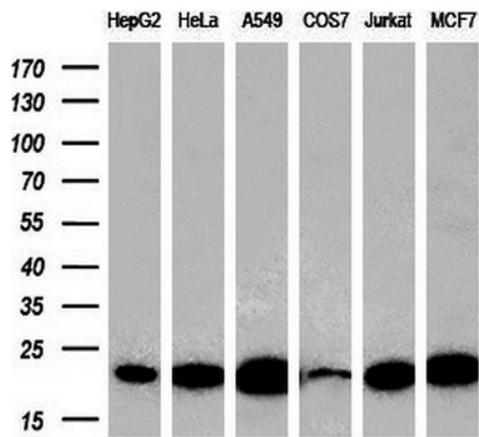
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-DTYMK mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-DTYMK mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-DTYMK mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Western blot analysis of extracts (10ug) from 6 different cell lines by using anti-DTYMK monoclonal antibody (1:200).